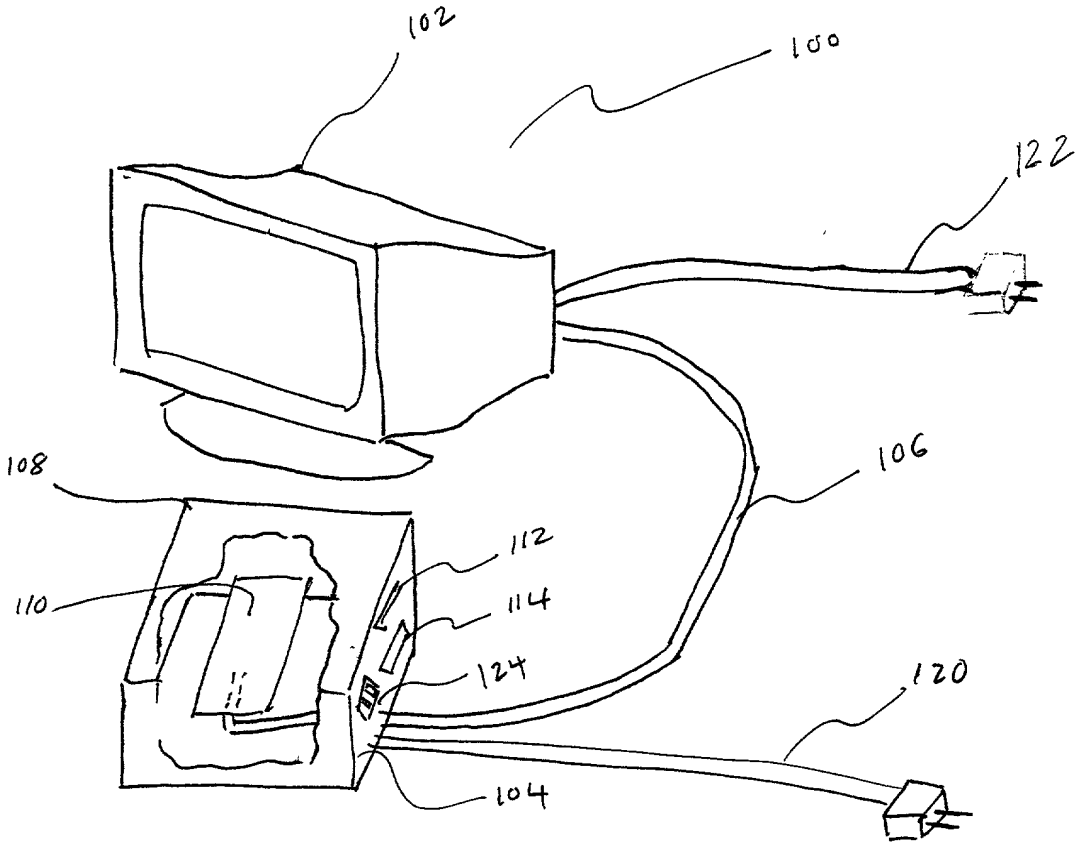
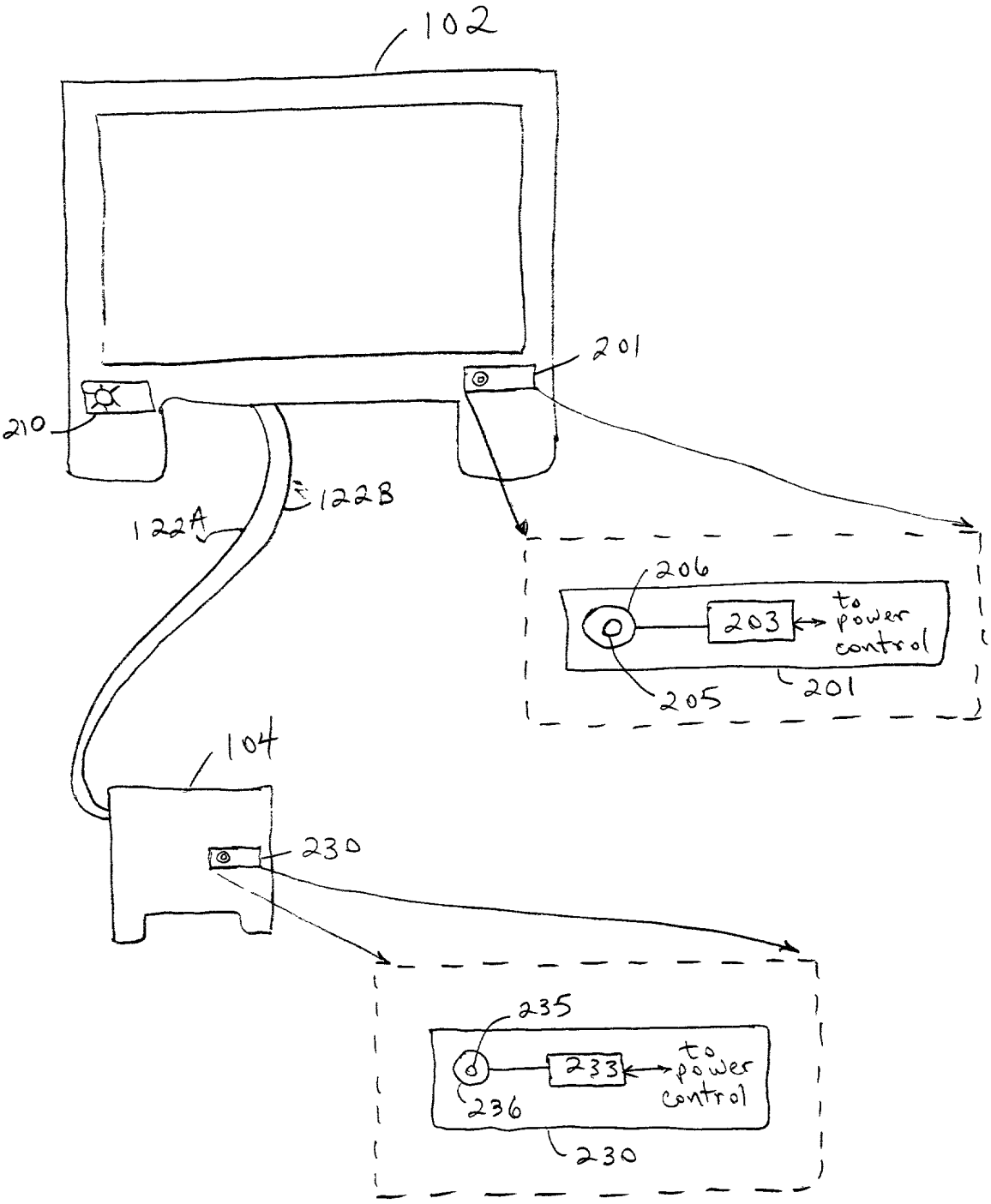


FIG. 1

Fig. 2A


102
201
210
122B
122A
206
203
to power control
205
201
104
230
235
233
to power control
236
230

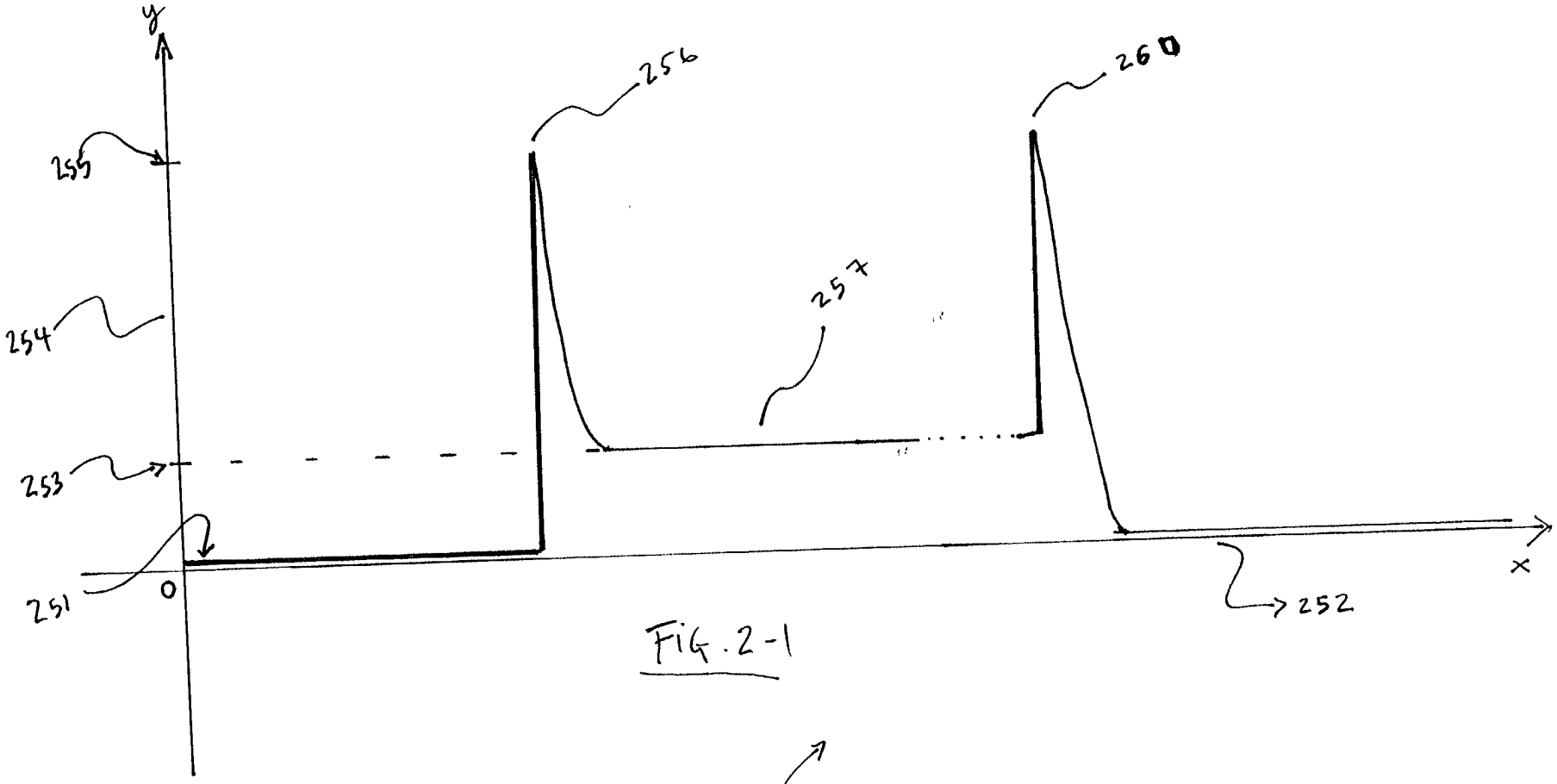


FIG. 2-1

250

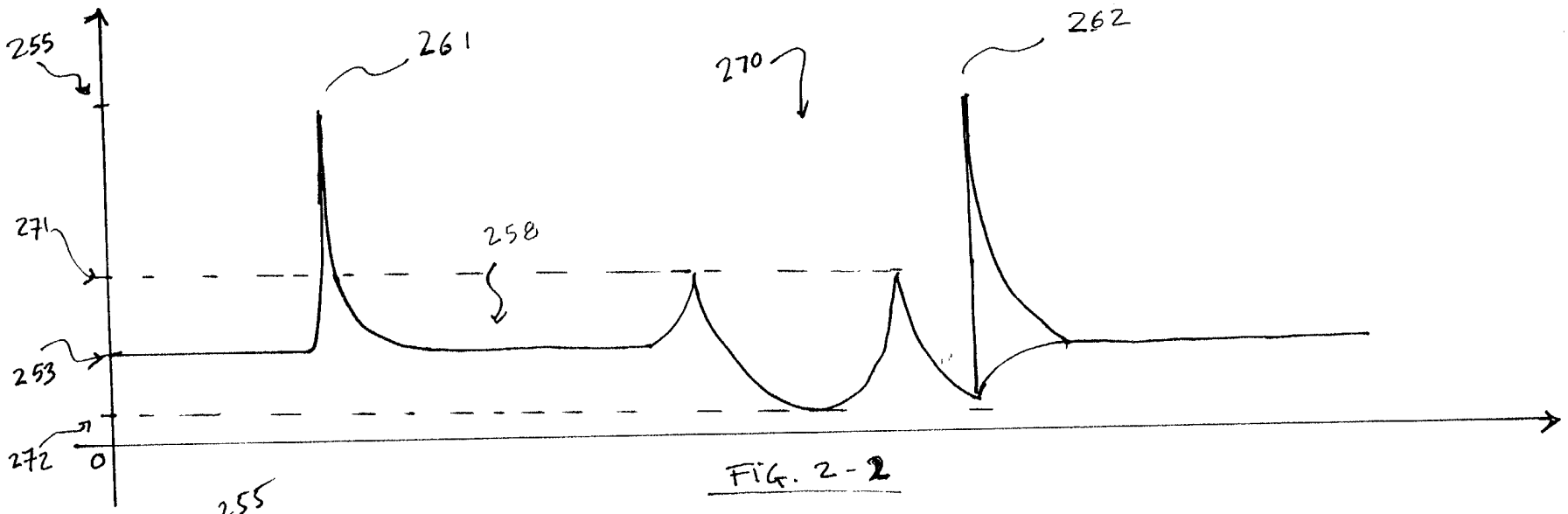


FIG. 2-2

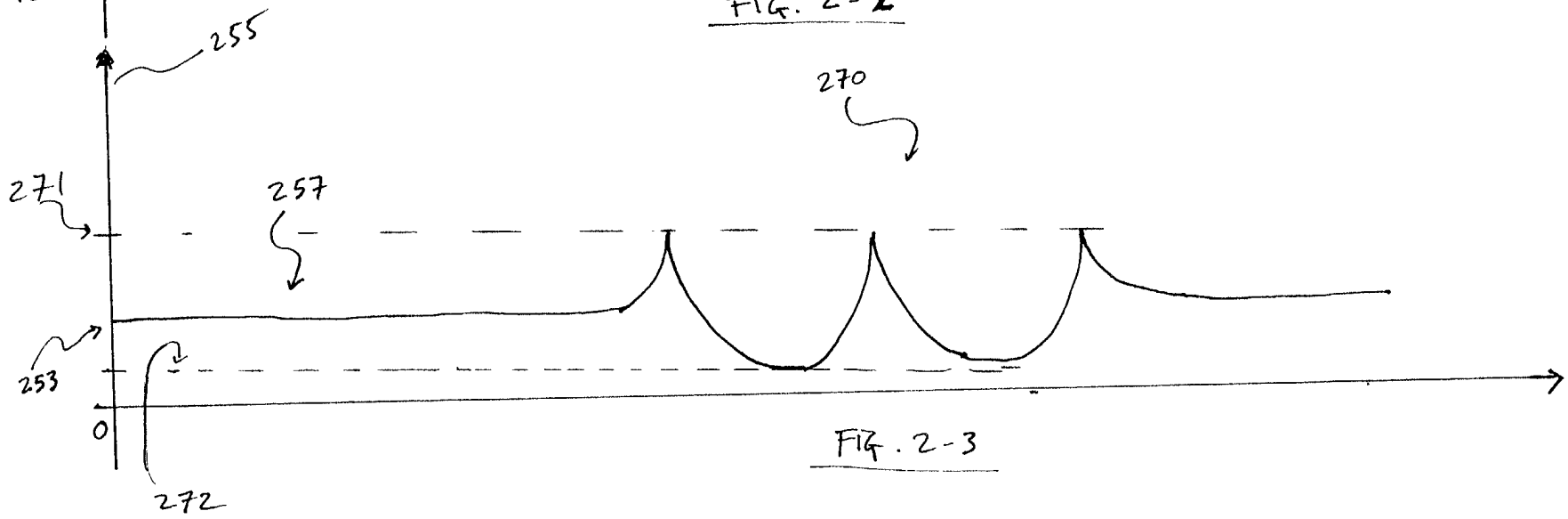


FIG. 2-3

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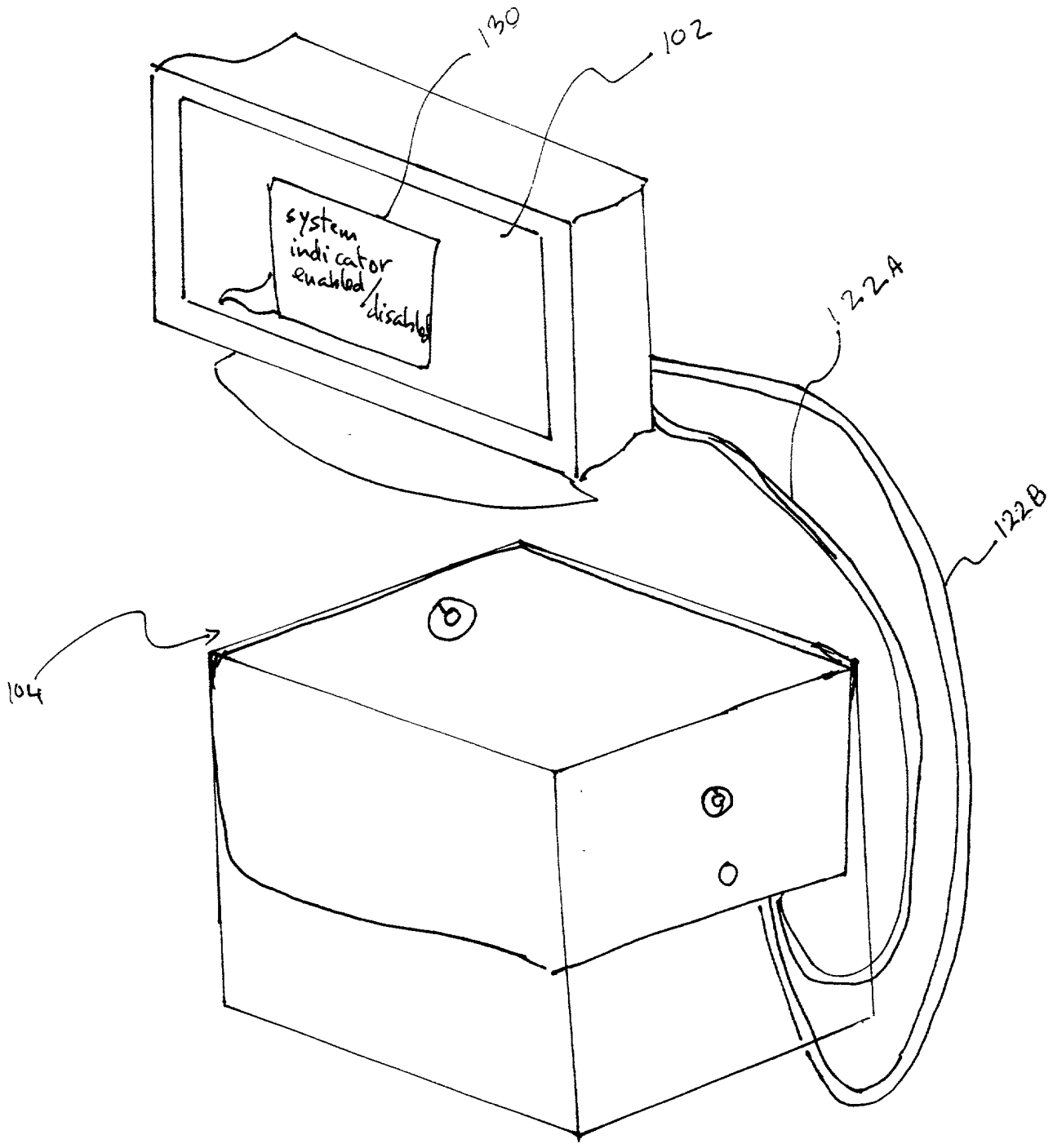


FIG 2-4

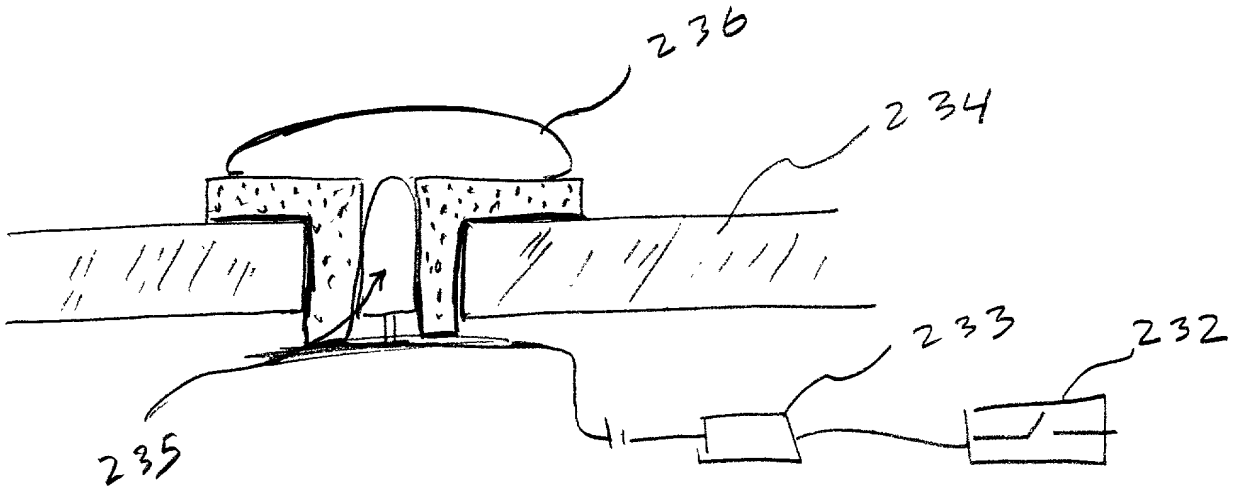


FIG 2-5

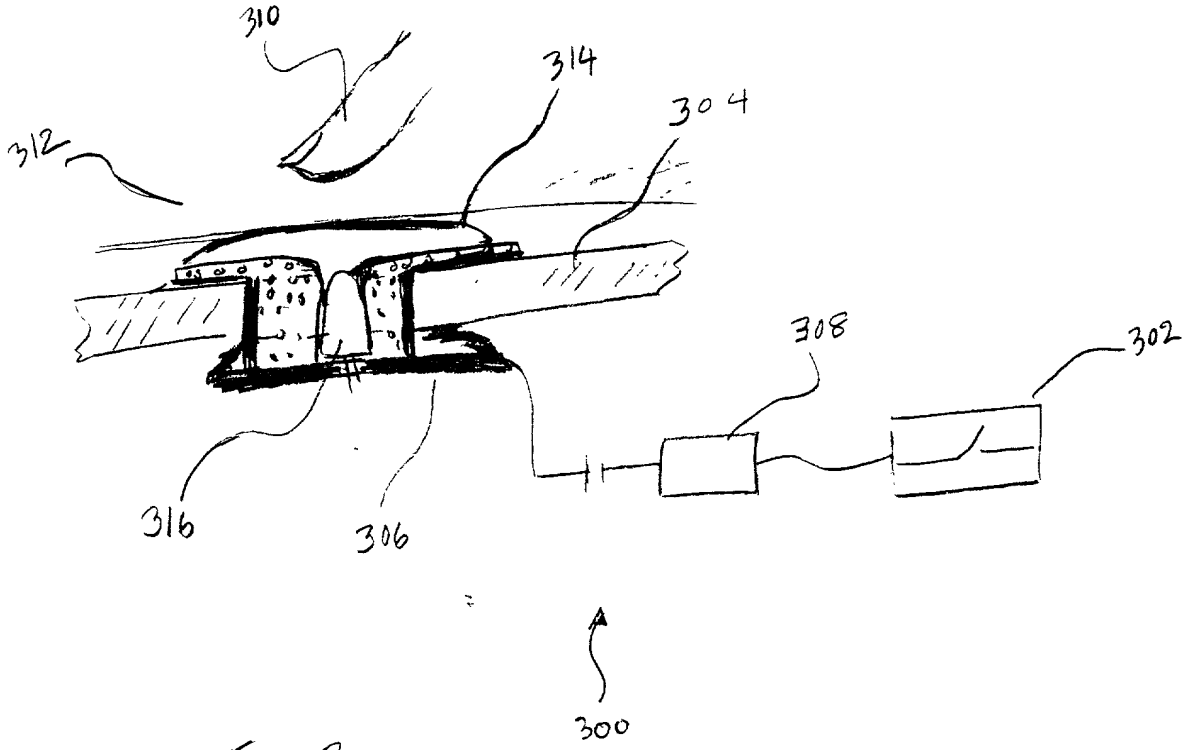


FIG. 3

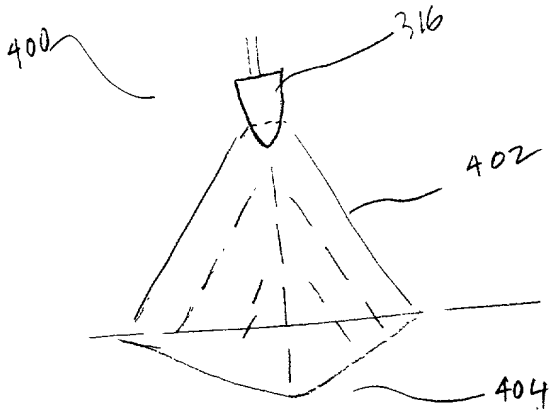


FIG. 4-A

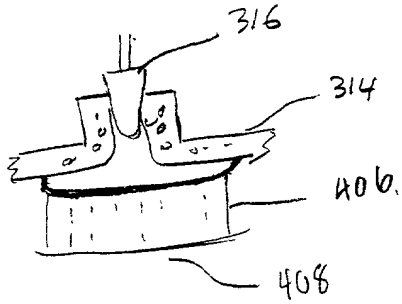
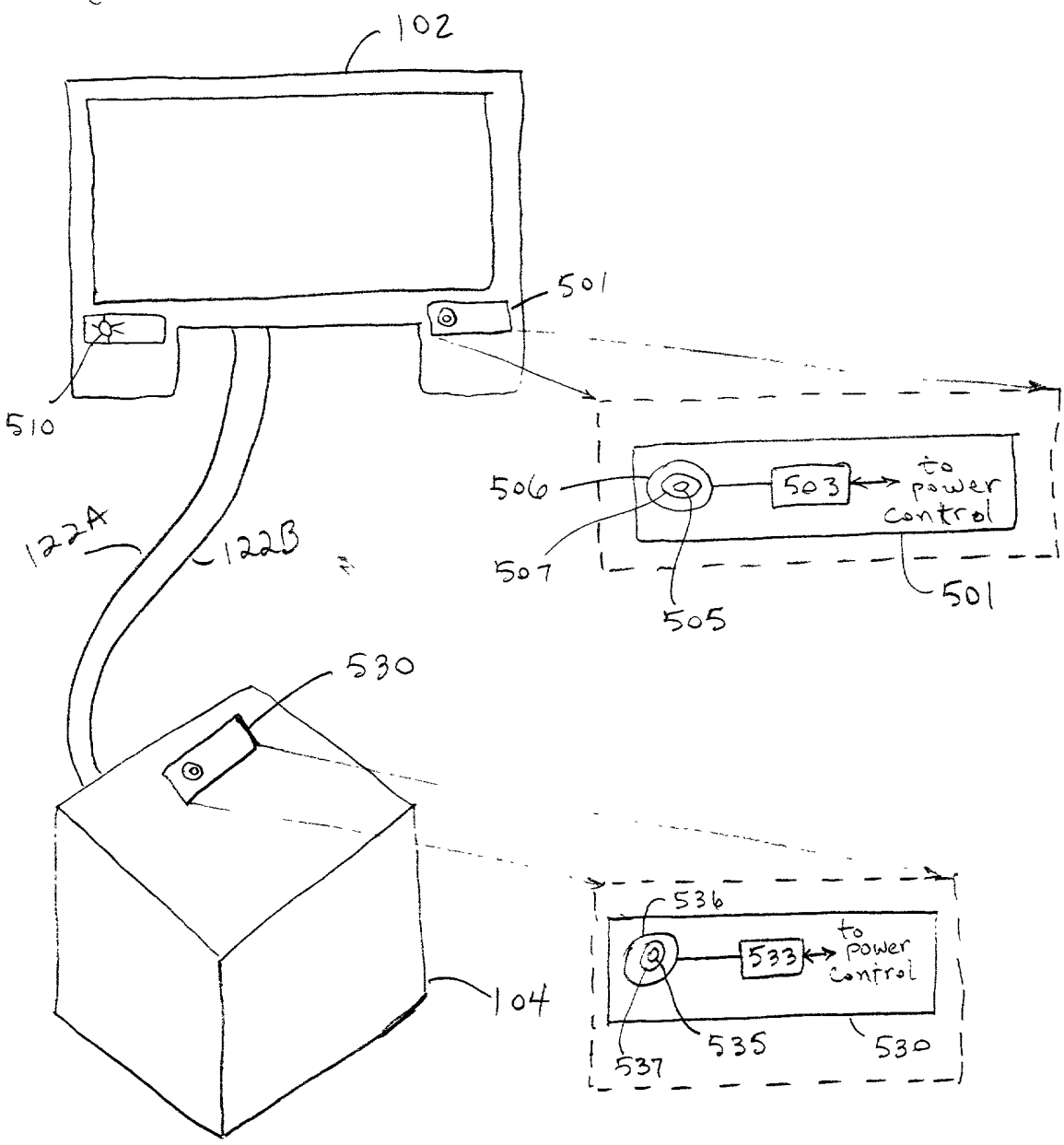


FIG. 4-B

Fig. 5


102
501
510
506
503
to power control
507
505
501
122A
122B
530
536
533
to power control
535
537
530
104

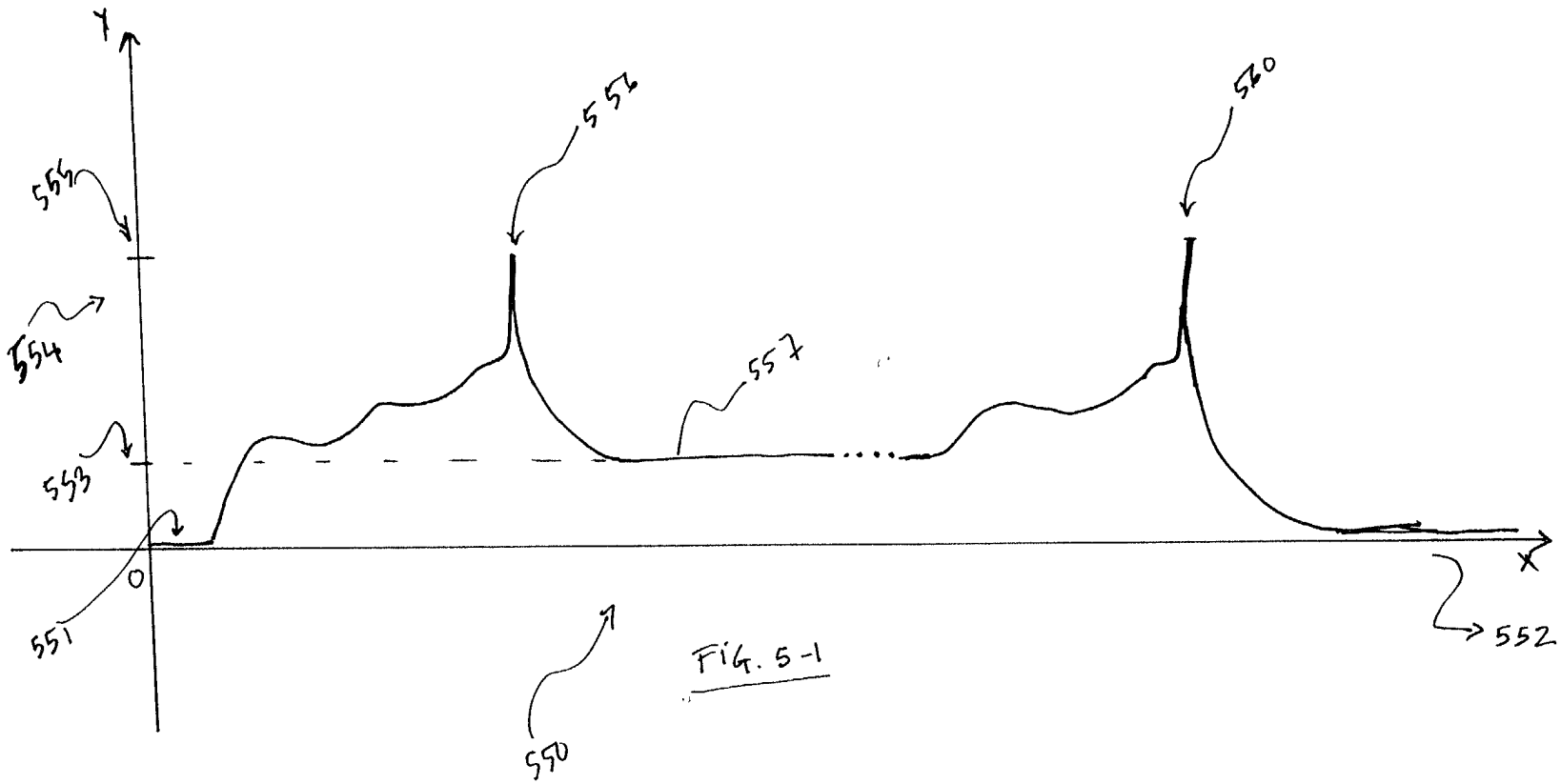


Fig. 5-1

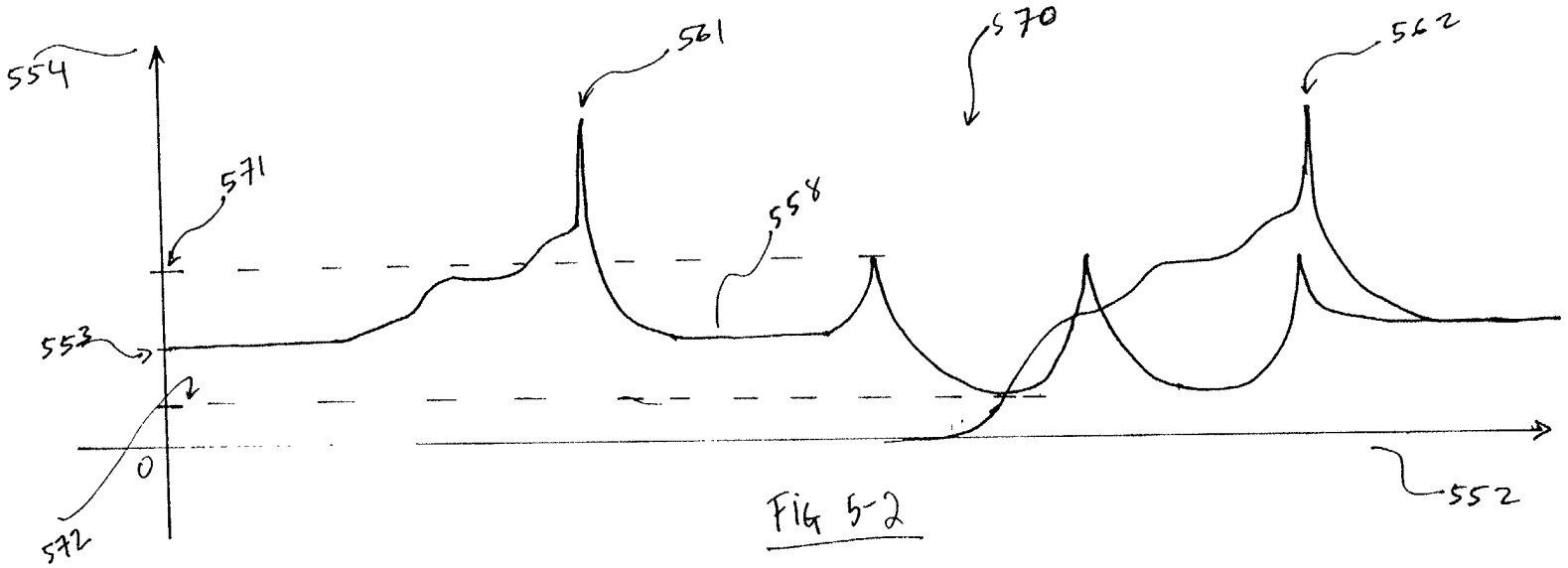

554
561
570
562
571
558
553
0
572
552

Fig 5-2

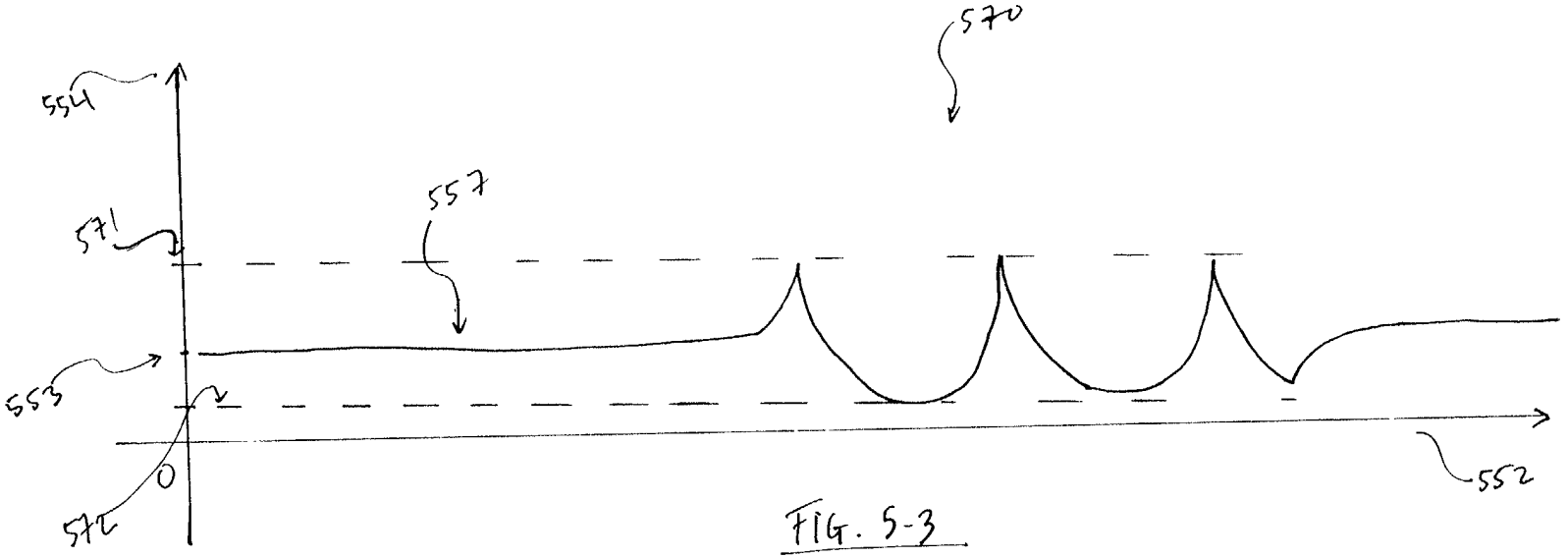

570
554
557
571
553
0
572
552

FIG. 5-3

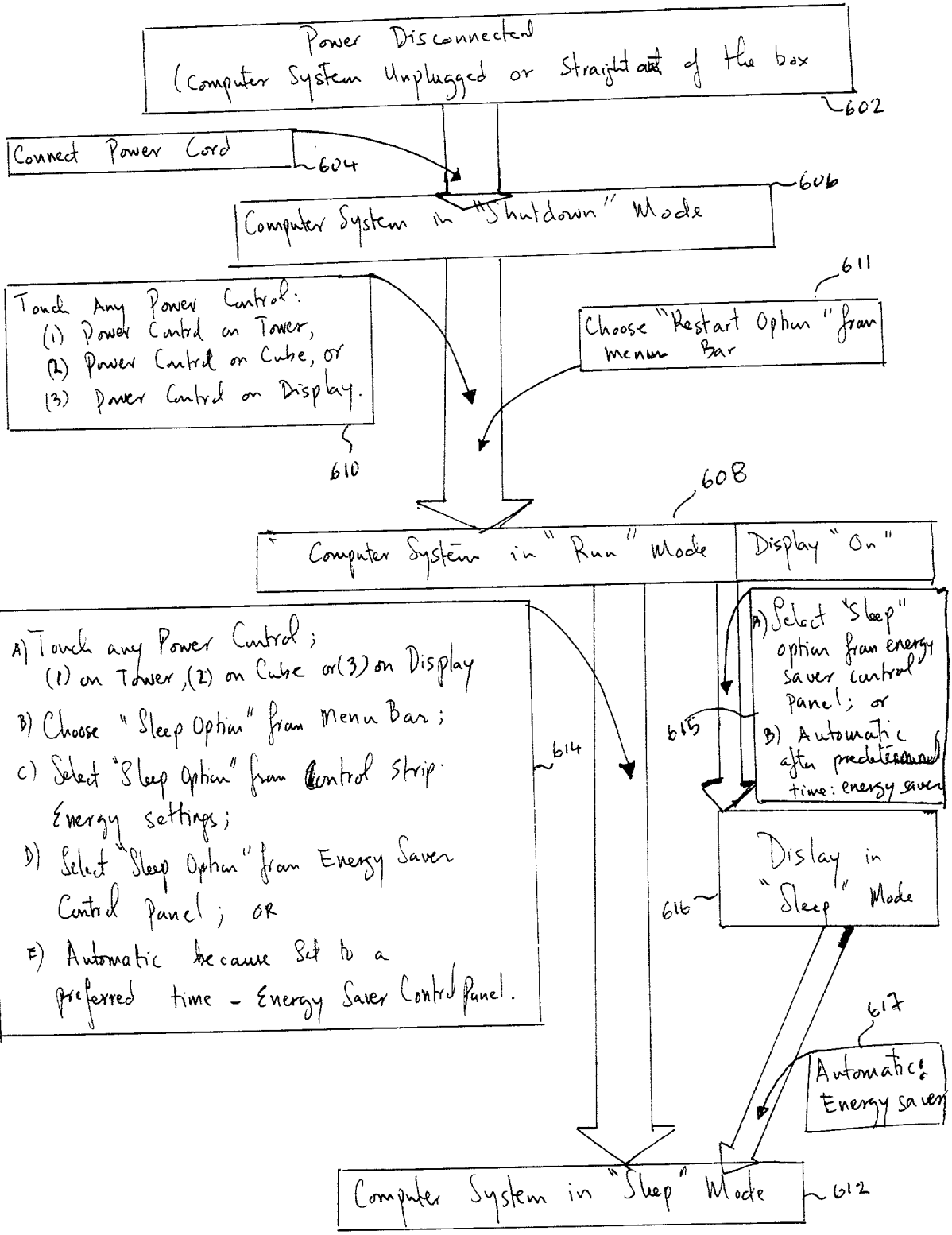

Power Disconnected
(Computer System Unplugged or Straight out of the box
602
Connect Power Cord
604
Computer System in "Shutdown" Mode
606
Touch Any Power Control:
(1) Power Control on Tower,
(2) Power Control on Cube, or
(3) Power Control on Display.
610
Choose "Restart Option" from menu Bar
611
608
Computer System in "Run" Mode
Display "On"
A) Touch any Power Control;
(1) on Tower, (2) on Cube or (3) on Display
B) Choose "Sleep Option" from Menu Bar;
C) Select "Sleep Option" from Control Strip Energy settings;
D) Select "Sleep Option" from Energy Saver Control Panel; OR
E) Automatic because Set to a preferred time - Energy Saver Control Panel.
614
A) Select "Sleep" option from energy saver control panel; or
B) Automatic after predetermined time: energy saver
615
Dislay in "Sleep" Mode
616
617
Automatic Energy saver
Computer System in "Sleep" Mode
612

FIG. 6-1

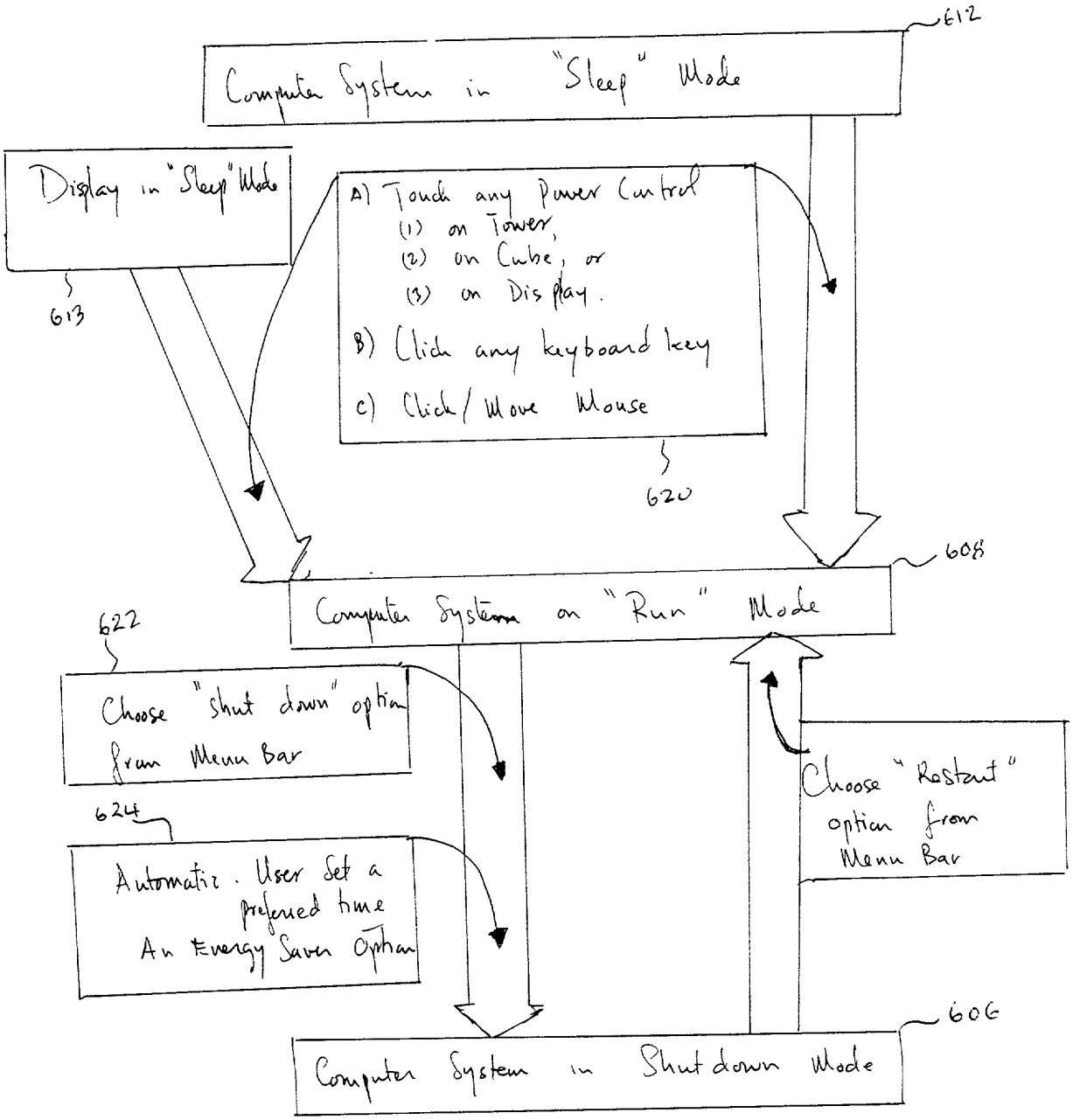

612
Computer System in "Sleep" Mode
Display in "Sleep" Mode
613
A) Touch any Power Control
(1) on Tower,
(2) on Cube, or
(3) on Display.
B) Click any keyboard key
C) Click / Move Mouse
620
608
Computer System on "Run" Mode
622
Choose "shut down" option from Menu Bar
624
Automatic. User set a preferred time An Energy Saver Option
Choose "Restart" option from Menu Bar
606
Computer System in Shut down Mode

Fig 6-2

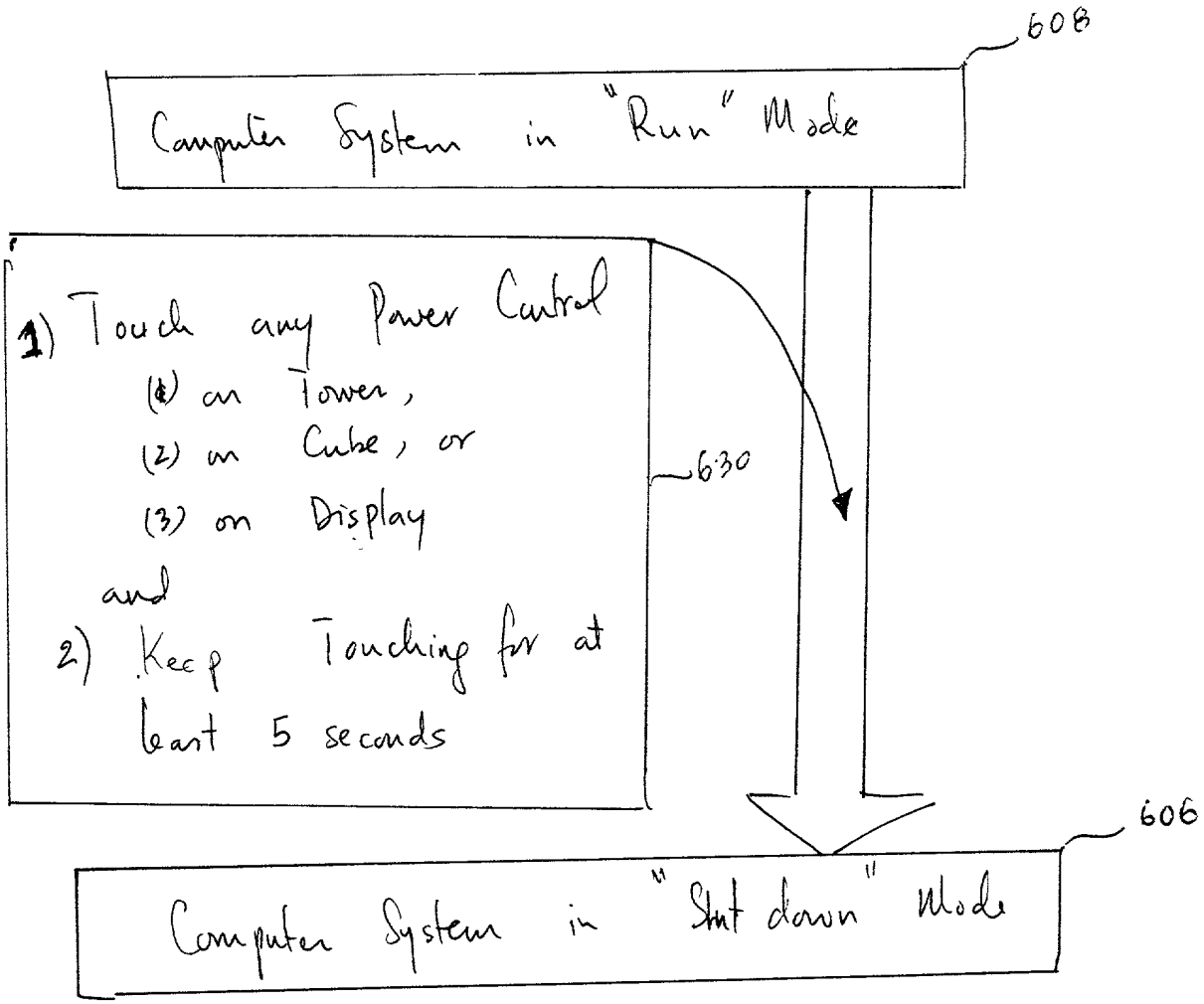

608
Computer System in "Run" Mode
1) Touch any Power Control
(1) on Tower,
(2) on Cube, or
(3) on Display
and
2) Keep Touching for at least 5 seconds
630
606
Computer System in "Shut down" Mode

FIG. 6-3

Fig. 7

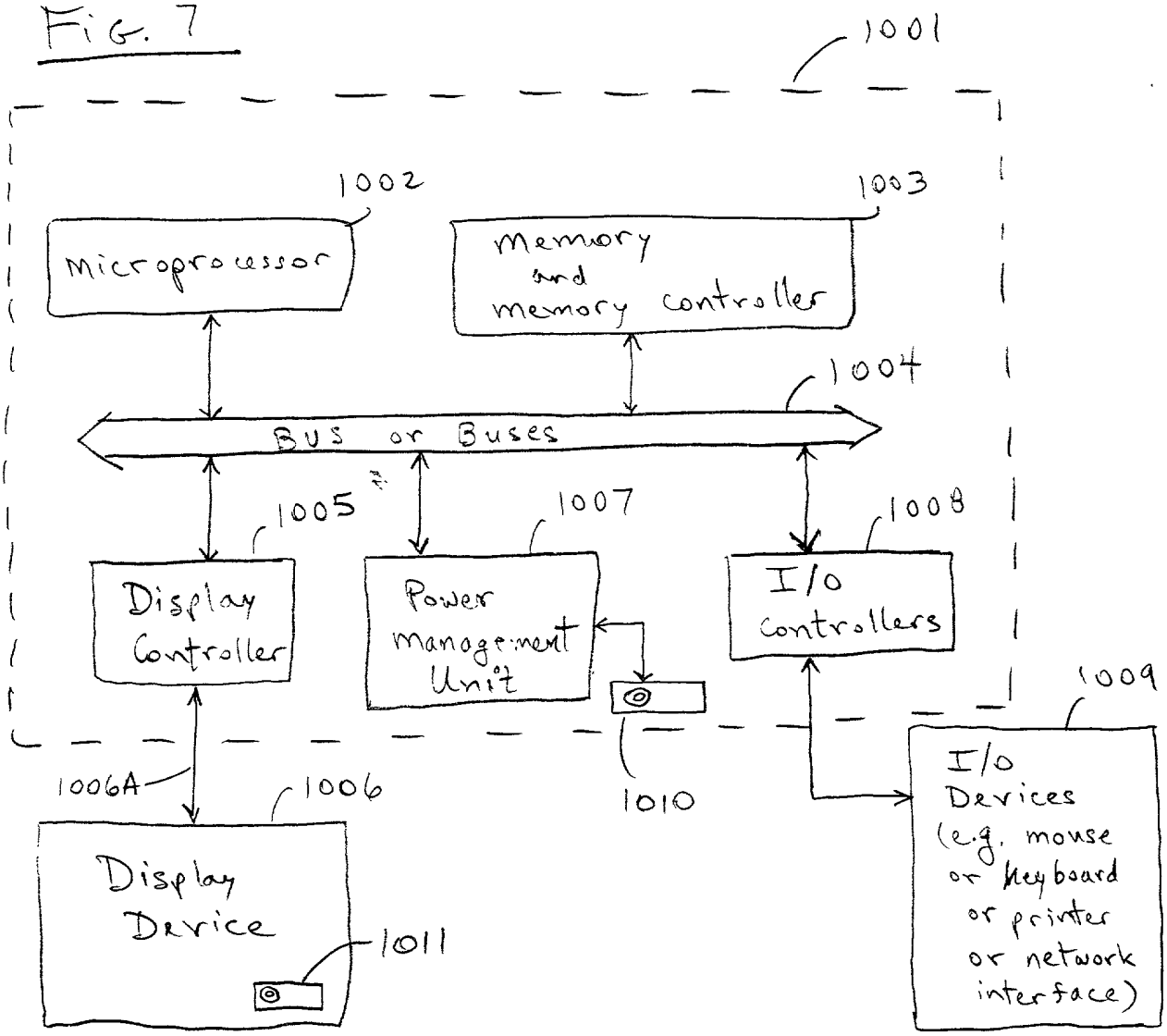

1001
1002
Microprocessor
1003
Memory and memory controller
1004
BUS or Buses
1005
Display Controller
1007
Power management Unit
1008
I/O Controllers
1009
I/O Devices (e.g. mouse or keyboard or printer or network interface)
1006A
1006
Display Device
1011
1010

Fig. 8

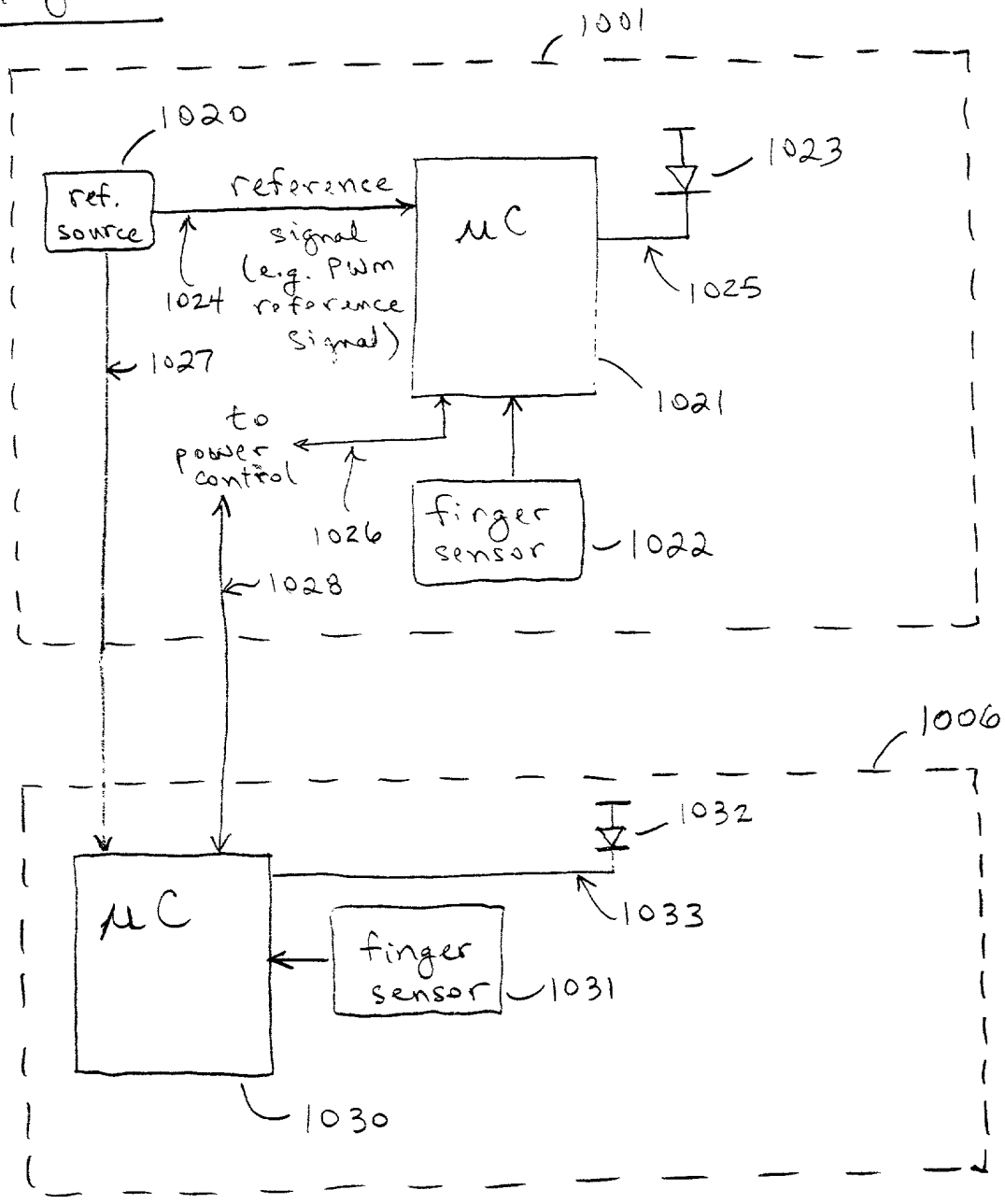

1001
1020
ref. source
reference signal (e.g. PWM reference signal)
1024
1027
μC
1023
1025
1021
to power control
1026
finger sensor
1022
1028
1006
1032
1033
μC
finger sensor
1031
1030

Fig. 9

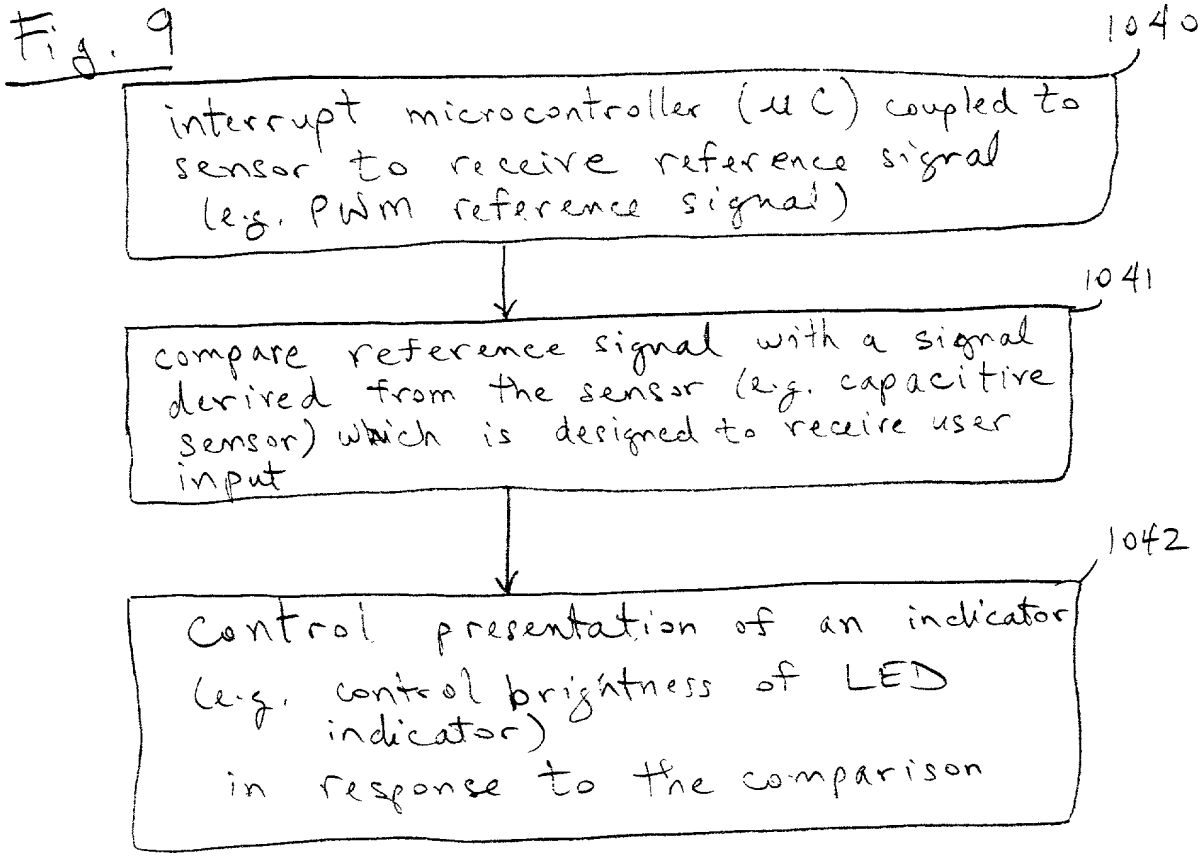

1040
interrupt microcontroller (μC) coupled to sensor to receive reference signal (e.g. PWM reference signal)
1041
compare reference signal with a signal derived from the sensor (e.g. capacitive sensor) which is designed to receive user input
1042
Control presentation of an indicator (e.g. control brightness of LED indicator) in response to the comparison

FIG. 10

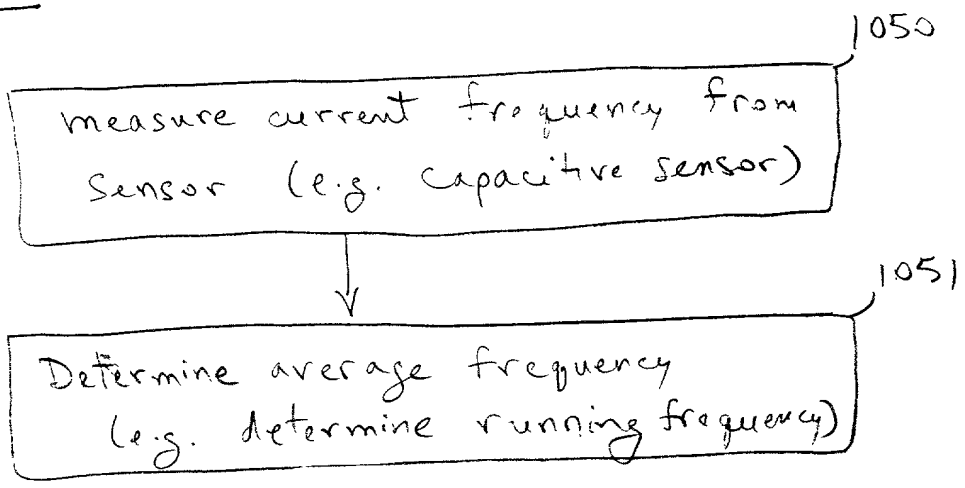


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Fig. 11

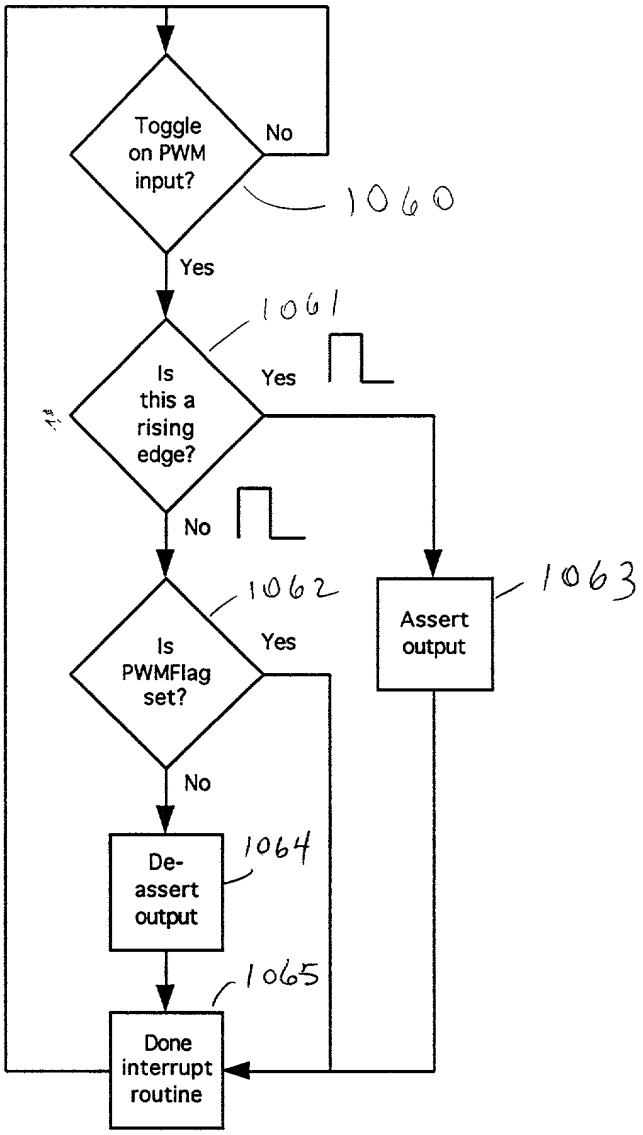
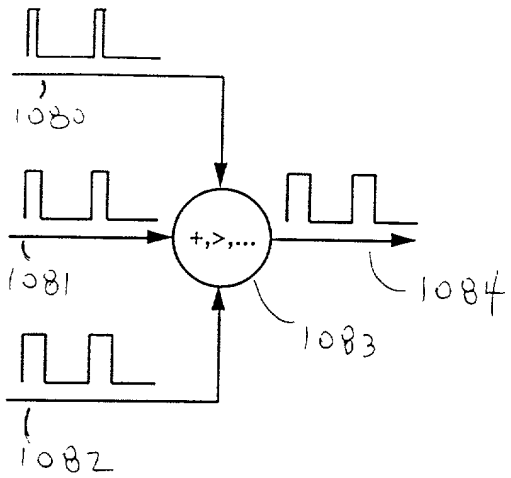

Toggle on PWM input?
No
1060
Yes
1061
Is this a rising edge?
Yes
No
1062
Is PWMFlag set?
Yes
No
1063
Assert output
1064
De-assert output
1065
Done interrupt routine

Fig. 12



Docket No. 2004P04769